

CLAIM LISTING

Claim 1 (Currently Amended): A bone grafting material comprising a porous carrier of ceramic or glass ceramic or glass material and at least one pyrrolidone ~~arranged to the carrier,~~ wherein the pyrrolidone is selected from the group consisting of 1-methyl-2-pyrrolidone (NMP), 1-ethyl-2-pyrrolidone (NEP), 2-pyrrolidone (PB) and 1-cyclohexyl-2-pyrrolidone (CP).

Claim 2 (Original): The bone grafting material of according to claim 1, wherein the pyrrolidone is bound to the carrier by a chemical bond.

Claim 3 (Cancelled)

Claim 4 (Cancelled)

Claim 5 (Currently Amended): The bone grafting material of claim [[4]] 1, wherein the pyrrolidone is 1-methyl-2-pyrrolidone (NMP).

Claim 6 (Original): The bone grafting material of claim 1, wherein the amount of pyrrolidone is between about 0.1 and about 50 weight-% of the total weight of the pyrrolidone loaded porous carrier.

Claim 7 (Original): The bone grafting material of claim 1, further comprising at least one bioactive agent.

Claim 8 (Currently Amended): The bone grafting material of claim 7, wherein the bioactive agent is selected from the group consisting of anti-inflammatory agents, antibacterial agents, antiparasitic agents, antifungal agents, antiviral agents, anti-neoplastic agents, analgesic agents, anesthetics ~~anaesthetics~~, vaccines, central nervous system agents, growth factors, hormones, antihistamines, osteoinductive agents, cardiovascular agents, anti-ulcer agents, bronchodilators, vasodilators, birth control agents, fertility enhancing agents and polypeptides.

Claim 9 (Original): The bone grafting material of claim 8, wherein the bioactive agent is at least one bone morphogenetic protein (BMP).

Claim 10 (Original): The bone grafting material of claim 1, wherein the carrier is selected from the group consisting of calcium phosphates, hydroxy apatites, silica gels, anorganic mineral bone matrixes, xerogels and sol-gel glasses.

Claim 11 (Original): The bone grafting material of claim 1, wherein the carrier comprises a ceramic/polymer composite.

Claim 12 (Original): The bone grafting material of claim 11, wherein the polymer is selected from the group consisting of polysulphones, polyaryletherketones, polyolefins and biodegradable polymers.

Claim 13 (Currently Amended): ~~[[The]]~~ A bone grafting material~~[[,]]~~ comprising a porous carrier ~~[[of]]~~ including calcium phosphate and 1-methyl-2-pyrrolidone (NMP) ~~arranged in said calcium phosphate.~~

Claim 14 (Currently Amended): ~~[[The]]~~ A bone grafting material comprising a porous carrier ~~[[of]]~~ including calcium phosphate, 1-methyl-2-pyrrolidone (NMP) ~~arranged in said calcium phosphate~~ and at least one bone morphogenetic protein (BMP).

Claims 15-20: Cancelled

Claim 21 (Currently Amended): ~~[[The]]~~ An implant~~[[,]]~~ comprising a carrier of porous ceramic or glass ceramic or glass material, and at least one pyrrolidone ~~arranged in the carrier,~~ wherein the pyrrolidone is selected from the group consisting of 1-methyl-2-pyrrolidone (NMP), 1-ethyl-2-pyrrolidone (NEP), 2-pyrrolidone (PB) and 1-cyclohexyl-2-pyrrolidone (CP).

Claim 22 (Cancelled)

Claim 23 (Cancelled)

Claim 24 (Original): The implant of claim 21, wherein the amount of pyrrolidone is between about 0.1 and about 50 weight-% of the total weight of the pyrrolidone loaded porous carrier.

Claim 25 (Original): The implant of claim 21, further comprising at least one bioactive agent.

Claim 26 (Currently Amended): The implant of claim 25, wherein the bioactive agent is selected from the group consisting of anti-inflammatory agents, antibacterial agents, antiparasitic agents, antifungal agents, antiviral agents, anti-neoplastic agents, analgesic agents, anesthetics ~~anaesthetics~~, vaccines, central nervous system agents, growth factors, hormones, antihistamines, osteoinductive agents, cardiovascular agents, anti-ulcer agents, bronchodilators, vasodilators, birth control agents, fertility enhancing agents and polypeptides.

Claim 27 (Original): The implant of claim 26, wherein the bioactive agent is at least one bone morphogenetic protein (BMP).

Claim 28 (Currently Amended): The implant of claim 21, wherein the implant comprises a scaffold, and wherein the carrier is present on a ~~on whose surface the carrier is arranged of the~~ scaffold.

Claim 29 (Original): The implant of claim 28, wherein the scaffold is made of ceramic or glass ceramic or glass material.

Claim 30 (Original): The implant of claim 28, wherein the scaffold is made of metal.

Claim 31 (Currently Amended): The implant according to claim 28, wherein the scaffold is made of a polymer ~~material~~.

Claim 32 (Original): The implant of claim 28, wherein the scaffold is porous.

Claim 33 (Original): The implant of claim 21, wherein the carrier is selected from the group consisting of calcium phosphates, hydroxy apatites, silica gels, anorganic mineral bone matrixes, xerogels and sol-gel glasses.

Claim 34 (Original): The implant of claim 21, wherein the carrier comprises a ceramic/polymer composite.

Claim 35 (Original): The implant of claim 34, wherein the polymer is selected from the group consisting of polysulphones, polyaryletherketones, polyolefins and biodegradable polymers.